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>Title: EP0387570B1: Blends of polydiorganosiloxane-polycarbonate-block cocondensates with siloxanes and with elastomeric polymerisation
[\[German\]](#)
[\[French\]](#)

Derwent Title: Moulding compsns. - comprise poly-di:organo-siloxane-poly:carbonate block co-condensate, lower mol. polysiloxane contg. phenyl gp. and rubber-elastic polymer [\[Derwent Record\]](#)

Country: EP European Patent Office (EPO)

Kind: B1 Patent i (See also: [EP0387570A2](#), [EP0387570A3](#))

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Published / Filed: 1994-04-13 / 1990-02-25

Application Number: EP1990000103634

IPC Code: C08L 83/10; C08L 69/00; C08L 51/04; C08L 83/04; C08L 83/10;
 C08L 51/04; C08L 83/04; C08L 69/00; C08L 51/04; C08L 83/04;

Priority Number: 1989-03- [DE1989003908038](#)

Abstract: [From equivalent [EP0387570A2](#)] The blends of polydiorganosiloxane-polycarbonate block cocondensates, graft polymers and/or rubber-elastic polymers are characterised by the fact that they contain phenyl group-containing, low-molecular-weight polysiloxanes and may also contain conventional additives.

INPADOC Legal Status: [Show legal status actions](#) Get Now: [Family Legal Status Report](#)

Designated Country: DE ES FR GB IT NL

Family: [Show 7 known family members](#)

First Claim: [Claims for the following Contracting States : DE, FR, GB, IT, NL](#)
[Show all claims](#)

1. Mixtures containing

- a) 75 to 98.99 parts by weight of polydiorganosiloxane-polycarbonate block co-condensates having an average molecular weight M_w in the range from 10,000 to 200,000 and containing between 90% by weight

and 99.5% by weight of aromatic carbonate structural units and between 10% by weight and 0.5% by weight of polydiorganosiloxane structural units, the block copolymers being produced from α,ω -bishydroxyaryloxy-terminated polydiorganosiloxanes having a degree of polymerization P_n of from 5 to 100 or a mixture of polydiorganosiloxane-polycarbonate block cocondensates with polysiloxane-free thermoplastic polycarbonates, the total content of polydiorganosiloxane structural units in this mixture being between 0.5 and 10% by weight, and

- c) 1 to 10 parts by weight of rubber-elastic polymers having a glass transition temperature below -20°C,

characterized in that they contain

- d) 0.01 to 5 parts by weight of a low molecular weight polysiloxane containing phenyl groups, the polysiloxane having a relative viscosity of 100 to 5,000 mm²/s (as measured with a falling ball viscosimeter at 25°C) and the sum of the parts by weight of components a+c+d having to amount to 100 parts by weight.

[\[German\]](#) [\[French\]](#)

 **Description**
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Polydiorganosiloxan-Polycarbonat-Blockcokondensate sind z.B. aus US 3 189 662 bekannt. In der einschlägigen Literatur werden ihre verbesserten mechanischen Eigenschaften bei tieferen Temperaturen beschrieben (z.B. B.M. Beach, R.P. Kambour und A.R. Schultz, J. Polym. Sci., Polym. Lett. Ed. 12, 247 (1974)).

+ [Komponenten](#)

+ [Beispiele](#)

 **Forward References:**

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PDF	Patent	Pub.Date	Inventor	Assignee	Title
<input checked="" type="checkbox"/>	US5488086	1996-01-30	Umeda; Takashi	Idemitsu Petrochemical Co., Ltd.	Polycarbonate composition

 **Other Abstract Info:**



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